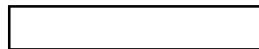


NATIONAL PHOTOGRAPHIC  
INTERPRETATION CENTER

**BASIC IMAGERY  
INTERPRETATION  
REPORT**

**LAUNCH COMPLEX F, SARY-SHAGAN  
MISSILE TEST CENTER**



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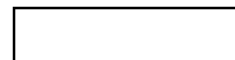
**MISSILE RANGES--SAM/AMM FACILITIES  
USSR  
AUGUST 1972**

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**RCA-19/0002/73**

**COPY NO. 1  
4 PAGES**



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INSTALLATION OR ACTIVITY NAME

COUNTRY

Launch Complex F Sary-Shagan Missile Test Center

UR

UTM COORDINATES

GEOGRAPHIC COORDINATES

NA

46-26-40N 072-51-10E

MAP REFERENCE

SAC. US Air Target Chart, Series 200, Sheet M0245-9HL, 5th ed., Jul 69, scale 1:200,000 (SECRET/

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## ABSTRACT

1. Significant developments observed at Launch Complex F, Sary-Shagan Missile Test Center, include the following:

- a. A missile canister at launch position 2A, launch site 2 for the first time.
- b. Three shallow parallel trenches to the rear of launch site 4.
- c. A second possible silo position under construction at launch site 4.
- d. Four additional groups of shallow excavations, new earth scarring, and a double security fence under construction at former GRIFFON R & D launch site west.
- e. Backfilling of the excavation and new earth scarring at former GRIFFON R & D radar position C2.

2. This report includes a location map and one annotated photograph. It updates NPIC report

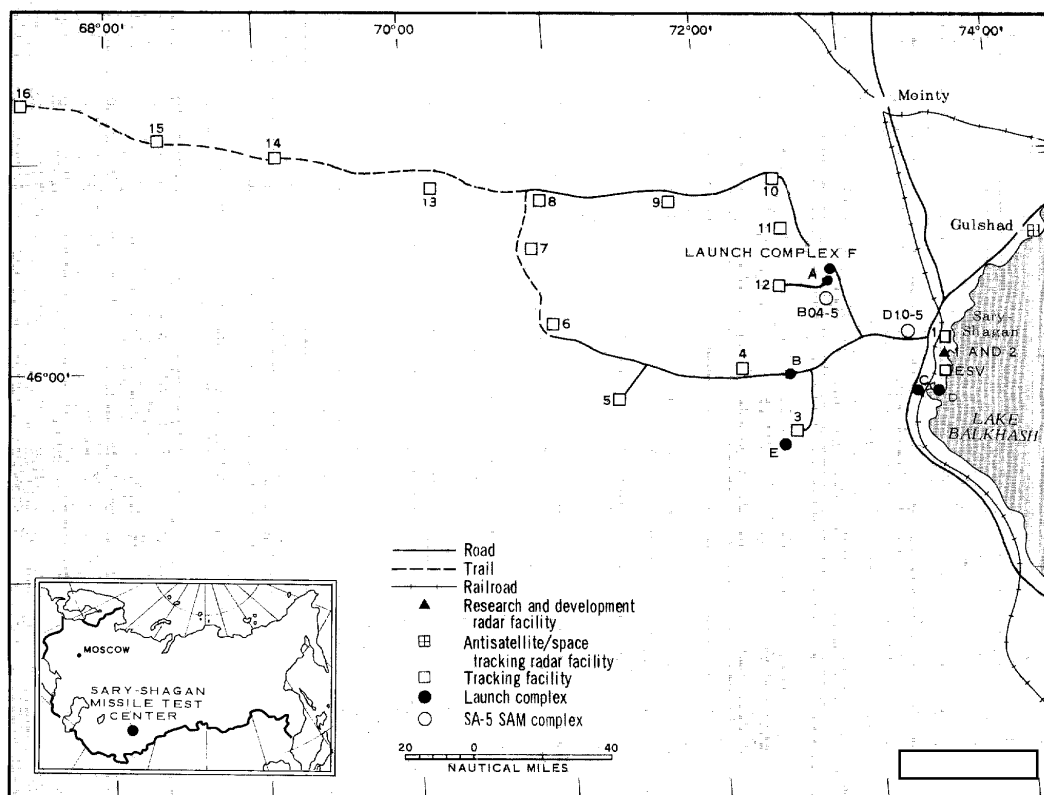


FIGURE 1. LOCATION OF LAUNCH COMPLEX F, SARY-SHAGAN MISSILE TEST CENTER, USSR

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## INTRODUCTION

3. Launch Complex F, Sary-Shagan Missile Test Center (SSMTC), is 2 nautical miles (nm) north of launch complex A (Figure 1). This report covers the period [ ] and updates a previous NPIC report on this complex.<sup>1</sup>

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## BASIC DESCRIPTION

4. Launch Complex F is an ABM-related R & D facility containing four launch sites and the former GRIFFON R & D facilities (Figure 2). Launch site 1 contains two GALOSH-type launch positions. Launch site 2 contains three launch positions with new-type launchers, a three-element radar, and a probable phased-array radar. Launch site 3 has two rectangular concrete aprons of undetermined function. Launch site 4 contains at least four launch positions which use the new launch site 2-type launchers, two possible silos under construction, and a concrete hardstand on which a radar like the phased-array at site 2 will probably be emplaced. An ABM-related launch position and a probable control building are under construction at the former GRIFFON R & D launch site west.

## Launch Site 1

5. No ABM missile canisters were present at launch site 1 on the two days of photographic coverage during the reporting period.

## Launch Site 2

6. An ABM missile canister was observed erected vertically on the launcher at position 2A [ ]. The height of the canister was approximately [ ] including [ ] launcher ring base. This height is similar to the height of the canisters previously seen erected at positions 2B on [ ] and at 2C on [ ].

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7. A vehicle approximately [ ] long was observed on the approach road to launch position 2A on [ ]. It was probably the associated transport vehicle for the ABM missile canister. However, because of small-scale photography, no details concerning the configuration of the vehicle were discernible.

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8. An ABM missile canister was again seen erected vertically on the launcher at position 2A when viewed on the latest coverage of [ ].

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9. No change was apparent in the position of the probable phased-array radar on the apron between launch sites 1 and 2 during the reporting period.

## Launch Site 3

10. No significant change was observed at this site during the reporting period.

## Launch Site 4

11. [ ] three parallel, shallow trenches were newly observed to the rear of launch site 4. All three trenches had been dug along an azimuth of approximately 285 degrees. This is the same azimuth along which the group of small vertical poles, believed to be used for missile launch instrumentation at launch site 1, positions 1A and 1B, and at launch site 2, position 2A, were constructed.

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12. One trench approximately 184 meters (604 feet) long leads to the incomplete possible silo position 4E at launch site 4 (Figure 2).

13. A second trench, approximately 188 meters (617 feet) long, leads directly to position 4F, which resembles the excavations dug for launch positions 4A through 4D.

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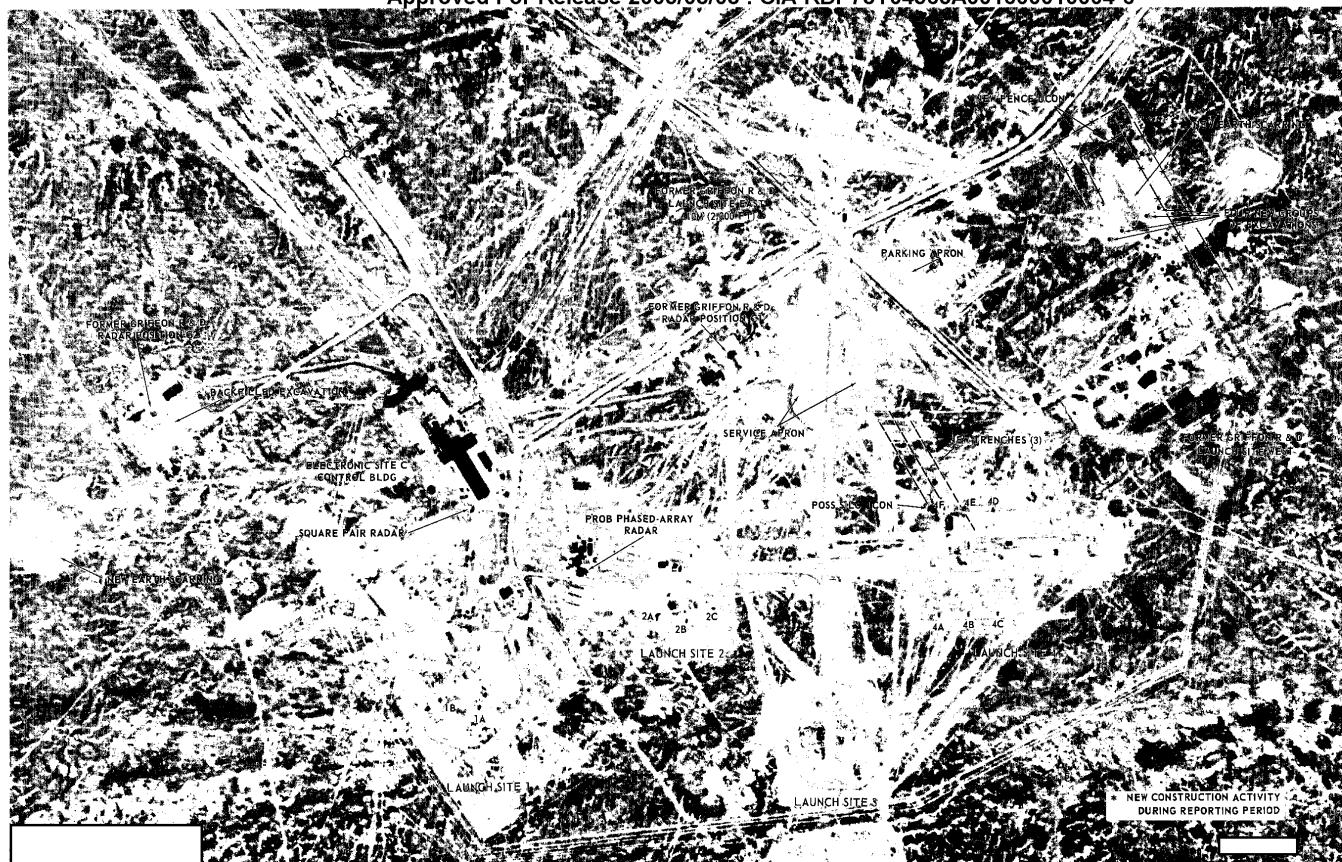


FIGURE 2. LAUNCH COMPLEX F, SSMT

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14. The third trench lies between the above-mentioned trenches and did not connect or lead to any specific place. It is approximately 209 meters (685 feet) long.

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15. By [ ] a considerable amount of soil had been removed from the excavation at position 4F, which now appeared to be circular rather than square. This added depth and circular appearance strongly suggests that a second possible silo position is being constructed at position 4F.

16. No change was observed to the radar apron under construction at launch site 4.

#### Former GRIFFON R & D Launch Site West

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17. On [ ] four more groups of shallow excavations were newly observed near the southeastern corner of the site, bringing the total to 16. Each group contains at least four small excavations forming a generally square outline. The shape of the excavation groups are similar to those constructed as foundation footings for self-supporting towers. However, as of [ ] no tower sections had been seen at the site.

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18. [ ] a double fenceline under construction and new unidentified earth scarring was observed in the same area (Figure 2).

#### Former GRIFFON R & D Radar Position C2

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19. The [ ] diameter excavation that has been observed here since [ ] has been backfilled. Also the ground around the former excavation has been graded. The approximate 3.0-meter (10-foot) diameter ring-like object that was observed near the center of the excavation on [ ] was not discernible on small-scale photography of [ ]

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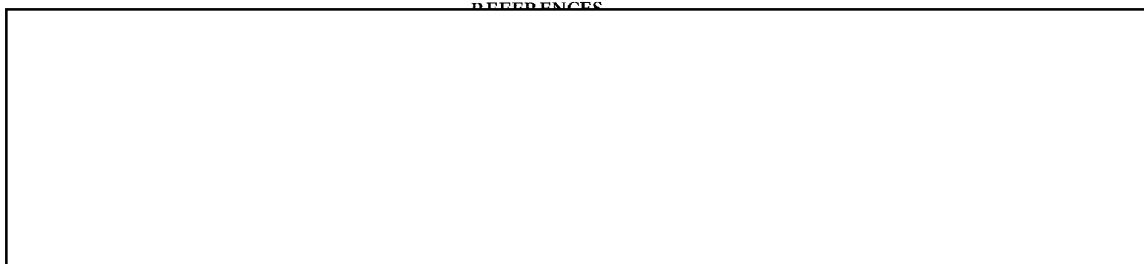
20. The dismantled tower that has been associated with radar position 2C since the early 1960s was removed from the area between [ ]

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21. New earth scarring was observed outside the security fence just north of the site. Although new, the scarring may be a borrow area for fill dirt (Figure 2).

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#### REFERENCES



#### MAP OR CHART

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SAC, US Air Target Chart, Series 200, Sheet M0245-9HL, 5th ed, Jul 69, scale 1:200,000 (SECRET/[ ])

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#### DOCUMENT

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1. NPIC, [ ] RCA-19/0015/72, *Sary-Shagan Missile Test Center, Launch Complex F, USSR*, Jun 72  
(TOP SECRET [ ])

#### REQUIREMENT

COMIREX T01  
NPIC/IEG/MSD/DMEB Project 223662

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[ ] was the latest available coverage of Launch Complex F as of [ ]

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